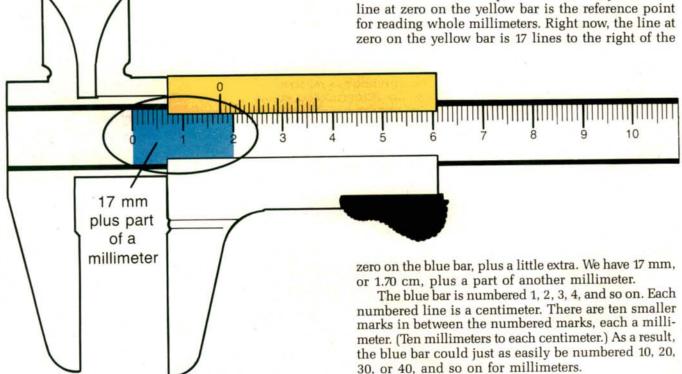
## ernier

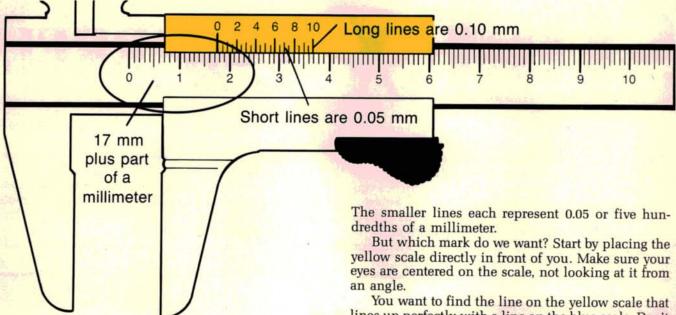
We talked about the use of micrometers in our April issue. But there's another handy measuring tool available to you that is accurate, versatile, and easy to use—the vernier caliper.

The vernier can be used to measure both outside and inside diameters, and a small slide bar that comes out the back allows you to use it as a depth gauge. They come in dial and digital styles for easy reading. The old vernier scale style is not that hard to read, however, and costs the least.

The vernier we chose comes from KD Tools and is exceptionally useful since it reads on two scales; one calibrated in millimeters and one in inches. We're dealing with import cars, however, so we'll stick with the metric side of things.

We've colored the top, or reference bar, yellow. The

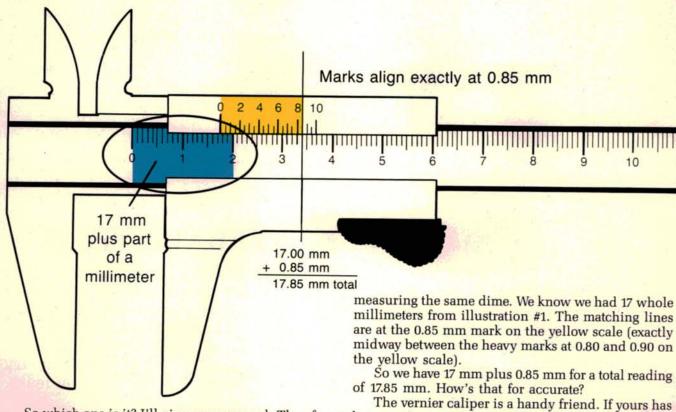




We said we had 17 mm plus a part of another whole millimeter. Just how much more than 17 mm do we have? Let's add some numbers to the yellow scale. The numbers on the yellow scale at the long black marks each represent one tenth of a millimeter, or 0.10 mm.

You want to find the line on the yellow scale that lines up perfectly with a line on the blue scale. Don't worry, only one line will match perfectly, a feat of logic on someone's part that amazes me to this day.

Don't be fooled by lines that are just close to lining up. We want the lines that match up exactly. That's why you can't look at the scales with your head off center. You'll get fooled. You'll get the wrong reading.



So which one is it? I'll give you a second. The official reading is the same one we got using the micrometer in our April issue. Why not? We were The vernier caliper is a handy friend. If yours has been rusting away in some forgotten corner of your tool box, maybe it's time to drag it out, clean it off, and spend a little time practicing with it.